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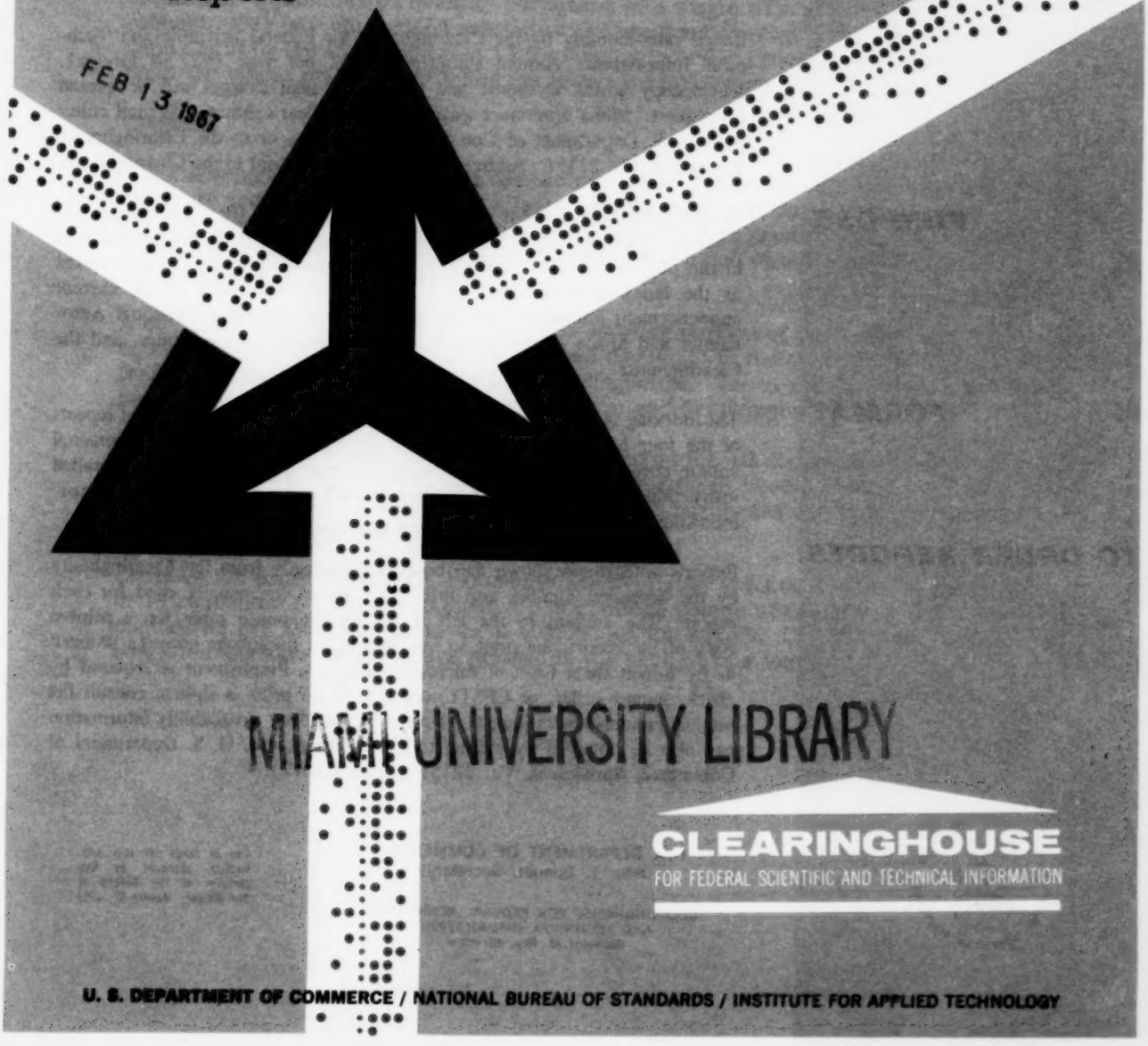
January 25, 1967

GOVERNMENT-WIDE INDEX

to Federal Research & Development Reports

FEB 13 1967



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Government-Wide

INDEX TO FEDERAL RESEARCH AND DEVELOPMENT REPORTS

UNCLASSIFIED REPORTS ANNOUNCED IN

NUCLEAR SCIENCE ABSTRACTS (NSA)
Atomic Energy Commission

SCIENTIFIC & TECHNICAL AEROSPACE REPORTS (STAR)
National Aeronautics and Space Administration

TECHNICAL ABSTRACT BULLETIN (TAB)
Defense Documentation Center

U.S. GOVERNMENT
RESEARCH & DEVELOPMENT REPORTS (USGRDR)
Clearinghouse for Federal Scientific and Technical Information

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Government-Wide Index is published to satisfy a need for a single reference guide to new unclassified Government-sponsored research and development in the physical sciences, engineering, and related technology. It also serves as the index to *USGRDR*. It is compiled from records of the current announcement journals of the Atomic Energy Commission, National Aeronautics and Space Administration, Defense Documentation Center, and the Clearinghouse.

FORMAT

The indexing records related to Government research and development reports of the four journals are merged under the five indexes of subject, personal author, corporate author, contract number, accession/report number. Detailed instructions for using each index are presented under "How To Use Indexes" following the foreword.

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Use of funds for this publication approved by the Director of the Bureau of the Budget, January 27, 1965

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There are some format errors and inconsistencies in this index resulting from the machine merger of the data generated by several agencies. Efforts are being made to correct these inconsistencies. The agencies involved are working with a task group of the Committee on Scientific and Technical Information to develop improved interagency standards which will eliminate these problems.

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- Contract Number
- Accession/Report Number

Each index is arranged alphnumerically (that is, alphabetical data precedes numerical data). A typical entry is as follows:

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INSTRUMENT FOR ACOUSTIC AND VIBRATION MEASUREMENTS.(b)
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(b) Title of report.

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N—Nuclear Science Abstracts, Atomic Energy Commission.

S—Scientific and Technical Aerospace Reports, National Aeronautics and Space Administration.

(f) Clearinghouse prices for hardcopy (HC) and microfiche (MF).

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  SPHERICAL SHELLS.
  AD-626 688                          20N T 66 09 HC$ 3.00 MF$ 0.65
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BATTELLE-NORTHWEST, RICHLAND, WASH. PACIFIC NORTHWEST LAB.
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  BNWL-C-45                           18N U 91 09 HC$ 3.00 MF$ 0.65

  SELECTIVE AND SENSITIVE ANALYSIS OF ACTIVATION PRODUCTS BY
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ANL-7082                              18I U 91 09 HC$ 3.00 MF$ 0.65
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LAMINAR FREE JET WITH ARBITRARY PRANDTL NUMBER.
AD-643 442 20D T67 02

JOINTS, BEAMS(STRUCTURAL)
MOISTURE CYCLING OF TRUSSED RAFTER JOINTS.
PB-173 627 13E U67 02 HC$ 3.00 MF$ 0.65

JUPITER(PLANET), RADIO INTERFEROMETERS
FPM-1 POST-DETECTOR CORRELATION INTERFEROMETRY OF JUPITER AT 18 MC/S.
AD-643 296 3B T67 02

K MESONS, DECAY SCHEMES
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AD-643 096 20J T67 02

K MESONS, NUCLEAR SCATTERING
NEAR FORWARD PEAKS IN THE K-MINUS,P AND PI-MINUS,P CHARGE-EXCHANGE SCATTERING.
AD-643 293 20H T67 02

KERR CELLS, MICROWAVE FREQUENCY
MICROWAVE FREQUENCY LIGHT MODULATION WITH TRAVELING-WAVE CARBON DISULFIDE KERR CELLS.
AD-643 076 20F T67 02

KETONES, CHEMICAL REACTIONS
SOLVENT EFFECTS IN REACTIONS OF PHENYLCYCLOPROPYL PHENYL KETONES WITH PHOSPHORUS PENTACHLORIDE.
AD-643 145 7C T67 02

KIDNEYS, ELECTROLYTES(PHYSIOLOGY)
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AD-642 992 6P T67 02

KIDNEYS, MECHANICAL ORGANS
THE DIALUNG ARTIFICIAL KIDNEY--A COMPACT, PUMPLESS, LOW COST, HAND PORTABLE, CLINICAL HEMODIALYSIS SYSTEM.
AD-642 896 6L T67 02

KIDNEYS, RADIATION EFFECTS
RADIATION EFFECTS ON THE KIDNEY.
AD-642 871 6R T67 02

KIDNEYS, TRANSPLANTATION
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PB-173 615 6E U67 02 HC$ 3.00 MF$ 0.65

KLEBSIELLA PNEUMONIAE, AMINO ACIDS
EFFECT OF AMINO ACIDS ON THE NITROGENASE SYSTEM OF KLEBSIELLA PNEUMONIAE.
AD-643 380 6M T67 02

LACTIC ACID, HYPOXIA
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AD-643 308 6S T67 02 HC$ 3.00 MF$ 0.65

LAMINAR BOUNDARY LAYER
THE LAMINAR BOUNDARY LAYER IN A RADIATING- ABSORBING GAS NEAR A FLAT PLATE.
N67-10181 20H S05 01 HC$ 3.00 MF$ 0.65

LAMINAR FLOW, JETS
LAMINAR FREE JET WITH ARBITRARY PRANDTL NUMBER.
AD-643 442 20D T67 02

LAMINAR FLOW, LIQUIDS
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AD-642 993 20D T67 02

LAMINATED MATERIAL
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N67-10219 20K S05 01 HC$ 3.00 MF$ 0.65

DEVELOPMENT OF IMPROVED LOX COMPATIBLE LAMINATED GASKET COMPOSITE FINAL SUMMARY REPORT, 16 JUN. 1965 - 16 JUN. 1966,
N67-10900 11A S05 01 HC$ 3.00 MF$ 0.65

LAMINATED PLASTICS, FILAMENT WOUND CONSTRUCTION
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AD-459 348 11D U67 02 HC$ 3.00

LAMINATES, BEAMS(STRUCTURAL)
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AD-642 783 11L T67 02

LANDING
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N67-10786 22B S05 01 HC$ 3.00 MF$ 0.65

LANDING FIELDS, PAINTS
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LANTHANUM, SUPERCONDUCTIVITY
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AD-643 194 20C T67 02

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N67-10788 20E S05 01 HC$ 3.00 MF$ 0.65

LASERS, ATOMIC ENERGY LEVELS
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AD-643 142 20L T67 02 HC$ 3.00 MF$ 0.65

LASERS, GLASS
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AD-643 259 20E T67 02 HC$ 3.00 MF$ 0.65

LASERS, GRAVITY
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AD-642 797 20J T67 02 HC$ 3.00 MF$ 0.65

LASERS, MAGNETIC RESONANCE
MAGNETIC RESONANCE RESEARCH,
PB-173 632 20C U67 02 HC$ 3.00 MF$ 0.65

LASERS, MICROSCOPY
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AD-643 185 20E T67 02 HC$ 3.00 MF$ 0.65

LAUNCH VEHICLE CONFIGURATION
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LAUNCH VEHICLES(AEROSPACE), OPTIMIZATION
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AD-643 052 22D T67 02 HC$ 3.00 MF$ 0.65

LAW, COMMERCE
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PB-178 849-1 5C U67 02 HC$ 3.00 MF$ 0.65

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NEW HERBRIDES CONDOMINIUM,
PB-173 661 5C U67 02 HC$ 3.00 MF$ 0.65

LEAD ALLOYS, THALLIUM ALLOYS
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AD-642 965 11F T67 02

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PB-173 592 5J U67 02 HC$ 3.00 MF$ 0.65

LEARNING, BIOCHEMISTRY
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AD-643 271 6A T67 02 HC$ 3.00 MF$ 0.65

LEARNING, INHIBITION
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AD-643 405 5J T67 02 HC$ 3.00 MF$ 0.65

FACILITATION AND INTERFERENCE IN PERFORMANCE ON THE MODIFIED MASHBURN APPARATUS I. THE EFFECTS OF VARYING THE AMOUNT OF ORIGINAL LEARNING,
AD-643 406 5J T67 02 HC$ 3.00 MF$ 0.65

LEARNING, INTERFERENCE
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PRIOR LEARNING AS A FACTOR IN SHAPING PERFORMANCE CURVES,
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A STUDY OF WARMUP DECREMENT IN PURSUIT ROTOR PERFORMANCE,
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SINGLE-TRIAL-PER-TASK VERSUS MULTIPLE-TRIALS-PER-TASK IN THE ACQUISITION OF SKILL IN PERFORMING SEVERAL SIMILAR TASKS,
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LEARNING, SYMPOSIA
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AD-643 048 5J T67 02

LEPTONS, GROUPS(MATHEMATICS)
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AD-642 982 20J T67 02

LEUKOCYTES, AGGLUTININS
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PB-173 611 6E U67 02 HC$ 3.00 MF$ 0.65

LEUKOCYTES, ANTIGENS + ANTIBODIES
A COMPARATIVE STUDY OF SEROLOGIC TECHNIQUES FOR THE DETECTION OF ANTILEUCOCYTE ANTIBODIES AND CORRELATION OF THE RESULTS OBTAINED WITH THE RESPONSE TO SKIN HOMOGRAFTS IN HUMAN SUBJECTS,
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A COLLABORATIVE RESEARCH STUDY IN TRANSPLANTATION IMMUNOLOGY,
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RESEARCH AND DEVELOPMENT IN THE FIELD OF LEUKOCYTE TYPING,
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FULL-SCALE WIND-TUNNEL INVESTIGATION OF A VTOL AIRCRAFT WITH A JET-EJECTOR SYSTEM FOR LIFT AUGMENTATION,
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NASA PHOTOMETER FINAL PROGRESS REPORT,
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LIGHT INTENSITY
A SUMMARY OF LIGHT-INTENSITY DATA OF EIGHT TRAILBLAZER I REENTRY BODIES,
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LIGHT MODULATOR
ELECTRO-OPTIC LIGHT MODULATORS,
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LIGHTING EQUIPMENT, SHELTERS
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AD-643 128 13A T67 02 HC$ 3.00 MF$ 0.65

LIGHT, MODULATION
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AD-643 076 20F T67 02

LIGHT, REFRACTION
CALCULATIONS OF LIGHT REFRACTION BY A BLAST BUBBLE,
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LIGNIN, WOOD
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LINEAR PROGRAMMING, ALGORITHMS
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LINEAR PROGRAMMING, GRAPHICS

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LINEAR SYSTEMS, STABILITY
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AD-643 038 12B T67 02

LIPOPROTEINS, HUMANS
ION BINDING PROPERTIES OF HUMAN SERUM LIPOPROTEINS.
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LIQUEFIED GASES, HELIUM
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LIQUID
CERTAIN LAWS OF PHOTOCHEMICAL DECOMPOSITION OF OZONE IN THE LIQUID PHASE.
N67-10231 7D S05 01 HC$ 3.00 MF$ 0.65

LIQUID FLOW
STEADY-STATE-COUPLED FLUID FLOW AND HEAT CONDUCTION ANALYSIS OF A HEAT-GENERATING SOLID, AS APPLIED TO REACTOR DESIGN.
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HIGH-TEMPERATURE LIQUID-METAL TECHNOLOGY REVIEW. VOL. 4, NO. 3.
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LIQUID METALS, PLUTONIUM
ADVANCED REACTOR TECHNOLOGY (ART), JULY 30, 1966.
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LIQUID PROPELLANT
BAFFLE THICKNESS EFFECTS IN FUEL SLOSHING EXPERIMENTS.
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LIQUIDS, ELECTRONS
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AD-643 396 20H T67 02

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AD-643 237 20D T67 02 HC$ 3.00 MF$ 0.65

LITHIUM COMPOUNDS, METALORGANIC COMPOUNDS
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N67-10882 7B S05 01 HC$ 3.00 MF$ 0.65

LITHIUM, ANODES(ELECTROLYTIC CELL)
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LOAD DISTRIBUTION, SANDWICH CONSTRUCTION
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LOADING(MECHANICS), DYNAMICS
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LOCKHART-MARTINELLI CORRELATION
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EMISSIVITY COATINGS FOR LOW-TEMPERATURE SPACE RADIATORS QUARTERLY PROGRESS REPORT NO. 4, QUARTER ENDING 30 JUN. 1966.
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LYMPHOCYTES, RADIATION EFFECTS
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MAGNESIUM COMPOUNDS, ELASTICITY
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AD-643 207 11B T67 02

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AD-643 078 14B T67 02 HC$ 3.00 MF$ 0.65

MAGNET
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N67-10024 07D S05 01 HC$ 3.00 MF$ 0.65

THE INTERNAL COMPTON EFFECT.
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AN EQUILIBRIUM STATE FOR THE INTERSTELLAR GAS AND MAGNETIC FIELD.
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ON THE STABILITY OF AN EQUILIBRIUM STATE FOR THE INTERSTELLAR GAS AND MAGNETIC FIELD.
N67-10885 3B S05 01 HC$ 3.00 MF$ 0.65

MAGNETIC FIELDS, BIBLIOGRAPHIES
BIBLIOGRAPHY ON THE ENGINEERING OF HIGH INTENSITY MAGNETIC FIELDS.
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MAGNETIC FIELDS, CHARGED PARTICLES
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MURA-719 20G N20 23 HC$ 3.00 MF$ 0.65

MAGNETIC PROPERTIES, SILVER COMPOUNDS
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MAGNETIC RESONANCE, SCIENTIFIC RESEARCH
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MAGNETOHYDRODYNAMIC GENERATORS, PLASMA MEDIUM
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AD-643 069 20I T67 02

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MAGNETOHYDRODYNAMICS, HEAT TRANSFER
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MAGNETOHYDRODYNAMICS, LAMINAR FLOW
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AD-642 988 20I T67 02

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AD-643 223 9B T67 02

MANAGEMENT ENGINEERING, CARGO VEHICLES
COST ACCOUNTING SYSTEM FOR GROUND MODES OF COMMON TRANSPORTATION CARRIERS, VOLUME II MOTORS MANUAL, SECTION I, CONCEPTS AND GENERAL PRINCIPLES, MOTOR CARRIER MANUAL,
PB-173 282-1 5A U67 02 HC$ 3.00 MF$ 0.65

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MANAGEMENT ENGINEERING, SHIPPING(MARINE)
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SPACE EXTRAVEHICULAR OPERATIONS A REVIEW OF THE REQUIREMENTS AND ALTERNATE SYSTEM APPROACHES,
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AD-643 066 12A T67 02

MAPPING(TRANSFORMATIONS), ALGEBRAIC TOPOLOGY
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AD-642 985 12A T67 02

MAPPING(TRANSFORMATIONS), THEORY
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AD-643 138 12A T67 02

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AD-642 882 4B T67 02

MARINER II SPACE PROBE
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MARS PROBES, ORBITAL TRAJECTORIES
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AD-643 037 22C T67 02

MARS SPACECRAFT
MARS ENTRY AND LANDING CAPSULE,
N67-10743 22B S05 01 HC$ 3.00 MF$ 0.65

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MARS(PLANET), EXTRATERRESTRIAL TOPOGRAPHY
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AD-642 957 11F T67 02

NIOBIUM, INTERNAL FRICTION
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NITROGEN, SUPERAERODYNAMICS
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AD-643 080 20H T67 02

PROTON SCATTERING, DIFFERENTIAL CROSS SECTION
ELECTROPRODUCTION OF NUCLEON RESONANCES.
AD-643 042 20J T67 02

PROTON SCATTERING, ENERGY
NEAR FORWARD PEAKS IN THE K-MINUS,P AND PI-MINUS,P CHARGE-EXCHANGE SCATTERING.
AD-643 293 20H T67 02

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STUDY OF THE FUNDAMENTAL VIBRATION OF THE ARTERIAL PULSE WAVE.
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GENERALIZED PHASE-SPACE DISTRIBUTION FUNCTIONS.
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INFORMATION CONTENT OF THE BORN SERIES.
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MOMENTUM OPERATORS IN QUANTUM MECHANICS.
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DERIVATION OF THE GENERALIZED BOLTZMANN EQUATION IN QUANTUM STATISTICAL MECHANICS.
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RADIATION EFFECTS ON THE KIDNEY.
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INVESTIGATION OF TAU A AND SGR A MILLIMETER WAVELENGTH RADIATION.
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MILLIMETRE WAVE-LENGTH SPECTRA OF THE CRAB AND ORION NEBULAE.
AD-643 015 3A T67 02

RADIO ASTRONOMY, VENUS(PLANET)
35-GC/S, 70-GC/S AND 94-GC/S CYTHEREAN RADIATION.
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ANNUAL REPORT, JULY 1, 1959-JUNE 30, 1960.
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SPECTRA OF NINE DISCRETE RADIO SOURCES IN THE 20-40 MC/S RANGE.
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BRIEF DESCRIPTION OF RESEARCH PUBLISHED DURING 1965.
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COST-BASED FREIGHT RATES DESIRABILITY AND FEASIBILITY.
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COST ACCOUNTING SYSTEM FOR GROUND MODES OF COMMON TRANSPORTATION CARRIERS, VOLUME I RAILROAD MANUAL, SECTION I. CONCEPTS AND GENERAL PRINCIPLES, RAILROAD MANUAL.
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EFFECT OF RARE-EARTH ADDITIONS ON THE PRESSURE DEPENDENCE OF THE SUPERCONDUCTING TRANSITION TEMPERATURE OF LANTHANUM.
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REACTION CONTROL
EVALUATION AND DEMONSTRATION OF THE USE OF CRYOGENIC PROPELLANTS (O2 - H2) FOR REACTION CONTROL SYSTEMS QUARTERLY REPORT, 1 APR. - 1 JUL. 1966.
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COMPARATIVE COSTS OF OXIDE FUEL ELEMENTS, VOLUME 3. THE EFFECT ON FUEL ELEMENT COSTS WHEN CERTAIN REFERENCE VALUES ARE VARIED.
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ADVANCED REACTOR TECHNOLOGY (ART), JULY 30, 1966.
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LABORATORY INVESTIGATIONS IN SUPPORT OF FLUID-BED FLUORIDE VOLATILITY PROCESSES. PART X. A LITERATURE SURVEY ON THE PROPERTIES OF TELLURIUM, ITS OXYGEN AND FLUORINE COMPOUNDS.
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CERAMICS RESEARCH AND DEVELOPMENT QUARTERLY REPORT, OCTOBER-DECEMBER 1965.
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SINGULAR QUADRATIC FUNCTIONALS OF N DEPENDENT VARIABLES.
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MEASURED INDEX OF REFRACTION OF AN ARGON PLASMA.
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RELATIVISTIC COSMOLOGY.
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A THEORY OF GRAVITATION.
AD-642 884 20J T67 02

RELATIVITY THEORY, FIELD THEORY
RELATIVISTIC FIELDS WITH SPACELIKE MOMENTUM SPECTRA.
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DEVELOPMENTAL IRRADIATION TEST OF SNAP-8 ELECTRICAL COMPONENTS (MF-8).
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SYMPOSIUM ON THE UTILIZATION OF RESEARCH REACTORS, NOVEMBER 7-9, 1963, ATLANTA, GEORGIA.
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RESISTANCE METER 250-A RX METER (BOONTON RADIO CORP.).
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MEASUREMENT OF RESONANCE ABSORPTION INTEGRALS (MN, FE, CO, NI, CU, ZR, MO).
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THE EFFECTS OF INVERSION UPON LUNG VOLUME AND VENTILATION.
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ADRENERGIC RETINAL NEURONS.
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RETINA, GANGLIA
CAT RETINAL GANGLION CELL DENDRITIC FIELDS.
AD-643 079 6P T67 02

RETINAL GANGLION CELL RESPONSE TO SINUSOIDAL LIGHT STIMULATION.
AD-643 143 6P T67 02

RHENIUM, LINE SPECTRUM
OPTICAL SPECTRUM OF RE(4+) IN SINGLE CRYSTALS OF K2PTC16 AND CS2ZRC16 AT 4.2K.
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RHODIUM
A STUDY OF THE STRUCTURE OF THE TRANSITION METAL HYDRYLS FINAL REPORT.
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RHODIUM COMPOUNDS, PHOSPHINE
PHOSPHORUS-31 NMR SPECTRA OF SOME TERTIARY PHOSPHINE RHODIUM COMPOUNDS.
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RHYTHM(BIOLOGY), CARNIVORA
THE DAY-NIGHT (CIRCADIAN) PHYSIOLOGICAL RHYTHMS OF LARGE ARCTIC CARNIVORS IN NATURAL CONTINUOUS LIGHT (SUMMER) AND CONTINUOUS DARKNESS (WINTER).
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STUDIES ON THE TRANSFER OF MYELOMA PROTEIN SYNTHESIS WITH RNA ISOLATED FROM THE C3H PLASMA CELL TUMOR (X5563). II. UPTAKE OF ISOTOPICALLY LABELED TUMOR RNA BY LYMPHOID CELLS.
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A CHARACTERIZATION OF Q-DOMAINS.
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SHEAR STRENGTH, POLYMORPHISM, AND MECHANICAL BEHAVIOR OF OLIVINE, ENSTATITE, DIOPSIDE, LABRADORITE, AND PYROPE GARNET TESTS TO 920C AND 60 KB.
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PRESSURE GRADIENTS IN A VARIABLE AREA LIQUID-PROPELLANT ROCKET MOTOR.
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EXPERIMENTAL INVESTIGATION OF LIQUID SLOSHING IN A SCALE-MODEL CENTAUR LIQUID-HYDROGEN TANK.
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JANAF THERMOCHEMICAL TABLES, FIRST ADDENDUM.
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TECHNIQUES FOR COMPUTING LAUNCHER SETTINGS FOR UNGUIDED ROCKETS.
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THERMAL CONDUCTIVITY OF SOFT VULCANIZED NATURAL RUBBER SELECTED VALUES.

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SEISMOGRAPHS, DISTRIBUTION
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SCALING RULES FOR ACOUSTIC MODELS.
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AD-643 377 20L T67 02 HC$ 3.00 MF$ 0.65
CONTRACT AF-30(602)-2149
AD-643 212 20C T67 02 HC$ 3.00 MF$ 0.65
CONTRACT AT-11-1-GEN-8
NAA-SR-11973 20H N20 23 HC$ 3.00 MF$ 0.65
CONTRACT AT(07-2)-1
DP-1044 7B N20 23 HC$ 3.00 MF$ 0.65
DP-1045 18I N20 23 HC$ 3.00 MF$ 0.65
DP-1065 7B N20 23 HC$ 3.00 MF$ 0.65
CONTRACT AT(10-1)-205
IDO-14679 18D N20 23 HC$ 3.00 MF$ 0.65
IDO-17188 18B N20 23 HC$ 3.00 MF$ 0.65
IDO-17192 18I N20 23 HC$ 3.00 MF$ 0.65
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NAA-SR-11440 18J N20 23 HC$ 3.00 MF$ 0.65
NAA-SR-11706 20H N20 23 HC$ 3.00 MF$ 0.65
NAA-SR-11924 18I N20 23 HC$ 3.00 MF$ 0.65
NAA-SR-11980 20H N20 23 HC$ 3.00 MF$ 0.65
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CEX-59.78 18H N20 23 HC$ 3.00 MF$ 0.65
CONTRACT AT(29-1)-789
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SC-RR-66-376 8H N20 23 HC$ 3.00 MF$ 0.65
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CONTRACT AT(30-2)-GEN-16
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BNL-982 20H N20 23 HC$ 3.00 MF$ 0.65
BNL-991 7B N20 23 HC$ 3.00 MF$ 0.65
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CONTRACT AT(45-1)-1830
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BNWL-289 18I N20 23 HC$ 3.00 MF$ 0.65
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ARCC-59-60 6R N20 23 HC$ 3.00 MF$ 0.65
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CONTRACT CWB-11307
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CONTRACT C-118-66
PB-173 209 13F U67 02 HC$ 3.00 MF$ 0.65
CONTRACT C-165-66(NEG)
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PB-173 201-2 5A U67 02 HC$ 3.00 MF$ 0.65
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PB-173 202-2 5A U67 02 HC$ 3.00 MF$ 0.65
PB-173 203 5A U67 02 HC$ 3.00 MF$ 0.65
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CONTRACT DA-19-129-AMC-203(N)
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CONTRACT DA-19-129-AMC-229(N)
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CONTRACT DA-19-129-AMC-262(N)
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CONTRACT DA-19-129-AMC-366(N)
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CONTRACT DA-20-089-ORD-37092
AD-643 198 14B T67 02 HC$ 3.00 MF$ 0.65
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CONTRACT DA-20-089-ORD-38515
AD-643 200 14B T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-28-043-AMC-00164(E)
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AD-643 075 17B T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-28-043-AMC-00231(E)
AD-455 972 20L U67 02 HC$ 3.00
CONTRACT DA-28-043-AMC-00379(E)
AD-643 265 12A T67 02 HC$ 3.00 MF$ 0.65
AD-643 318 20N T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-28-043-AMC-00443(E)
AD-643 071 4B T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-28-043-AMC-01439(E)

AD-643 122 9E T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-28-043-AMC-01763(E)
AD-643 320 10C T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-28-043-AMC-02308
AD-643 269 4B T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-28-043-AMC-02343(E)
AD-643 223 9B T67 02
CONTRACT DA-31-124-ARO(D)-17
AD-643 175 20L T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-31-124-ARO(D)-233
AD-643 382 13H T67 02
CONTRACT DA-31-124-ARO(D)-246
AD-642 869 20D T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-31-124-ARO(D)-270
AD-643 428 12B T67 02
CONTRACT DA-31-124-ARO(D)-408
AD-643 343 7D T67 02
CONTRACT DA-31-124-ARO(D)-462
AD-642 910 12A T67 02 HC$ 3.00 MF$ 0.65
AD-642 911 12A T67 02 HC$ 3.00 MF$ 0.65
AD-642 912 12A T67 02 HC$ 3.00 MF$ 0.65
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AD-642 914 12A T67 02 HC$ 3.00 MF$ 0.65
AD-642 920 12A T67 02 HC$ 3.00 MF$ 0.65
AD-642 921 12A T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-36-039-AMC-02164(E)
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CONTRACT DA-36-039-AMC-06157(E)
AD-643 038 9E T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-36-039-AMC-06159(E)
AD-643 267 9A T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-36-039-AMC-06182(E)
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CONTRACT DA-36-039-AMC-06189(E)
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CONTRACT DA-36-039-AMC-06190(E)
AD-643 253 9A T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-36-039-AMC-89202
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CONTRACT DA-44-009-AMC-1446(T)
AD-643 183 10B T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-44-009-AMC-1501(T)
AD-643 014 10B T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-44-009-AMC-1537(T)
AD-643 378 10C T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-44-009-AMC-469(T)
AD-643 386 10B T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-44-009-ENG-5097
AD-462 755 13C U67 02 HC$ 3.00
AD-462 782 10C U67 02 HC$ 3.00
CONTRACT DA-44-177-AMC-218(T)
AD-643 026 13A T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-44-177-AMC-312(T)
AD-643 027 1B T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-44-188-ARO-1
AD-643 052 22D T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-49-092-ARO-22
AD-643 086 8D T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-49-092-ARO-48
AD-642 845 20D T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-49-092-ARO-65
AD-643 243 15D T67 02 HC$ 3.00 MF$ 0.65
AD-643 312 14E T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-49-146-XZ-354
AD-643 893 4A T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-49-186-AMC-235(X)
AD-643 268 20L T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-49-193-MD-2229
AD-642 883 6E T67 02
AD-642 886 6E T67 02
AD-642 888 6E T67 02
AD-642 891 6E T67 02
AD-642 895 6L T67 02
AD-642 899 6E T67 02
AD-642 904 6E T67 02
AD-642 907 6E T67 02
CONTRACT DA-49-193-MD-2281
AD-643 091 6F T67 02 HC$ 3.00 MF$ 0.65
CONTRACT DA-49-193-MD-2299
AD-642 872 6P T67 02
AD-642 874 6P T67 02
AD-642 876 6E T67 02
CONTRACT DA-49-193-MD-2357
AD-642 878 6E T67 02
AD-642 879 6P T67 02
CONTRACT DA-49-193-MD-2541
AD-642 926 6D T67 02
AD-642 927 6E T67 02
CONTRACT DA-49-193-MD-2553
AD-642 919 6A T67 02
CONTRACT DA-49-193-MD-2697
AD-642 909 8B T67 02
CONTRACT FA-66-WA-1456
AD-643 177 1C T67 02 HC$ 3.00 MF$ 0.65
CONTRACT F44620-67-C-001
AD-642 931 9E T67 02 HC$ 3.00 MF$ 0.65
CONTRACT NASR-100/05/
N67-10893 11F S05 01 HC$ 3.00 MF$ 0.65
CONTRACT NASR-169
N67-10883 8C S05 01 HC$ 3.00 MF$ 0.65
CONTRACT NASR-21/02/
N67-10881 17B S05 01 HC$ 3.00 MF$ 0.65
N67-10884 9D S05 01 HC$ 3.00 MF$ 0.65
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N67-10877 3B S05 01 HC$ 3.00 MF$ 0.65
CONTRACT NASR-65/06/
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CONTRACT NAS1-2977
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CONTRACT NAS1-5448
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CONTRACT NAS5-5890
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CONTRACT NAS9-1970
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CONTRACT NGR-05-018-022
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CONTRACT NGR-05-020-066
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CONTRACT NGR-39-009-041
N67-10869 12A S05 01 HC$ 3.00 MF$ 0.65
CONTRACT NGR-39-011-039
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CONTRACT NOBS-86396(X)
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CONTRACT NOBS-98187
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CONTRACT NONR-1202(16)
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CONTRACT NONR-1367(00)
AD-643 166 8J T67 02
CONTRACT NONR-1509(06)
AD-643 399 4A T67 02
CONTRACT NONR-1623
AD-643 348 6M T67 02
CONTRACT NONR-1682(02)
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CONTRACT NONR-1834(35)
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CONTRACT NONR-1841(74)
AD-643 359 8G T67 02
CONTRACT NONR-1858(05)
AD-643 384 12A T67 02
CONTRACT NONR-1866(16)
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AD-643 230 20E T67 02 HC$ 3.00 MF$ 0.65
CONTRACT NONR-1866(32)
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CONTRACT NONR-1866(50)
AD-643 229 11B T67 02 HC$ 3.00 MF$ 0.65
CONTRACT NONR-2121(23)
AD-643 385 5K T67 02
AD-643 387 12A T67 02
AD-643 391 12A T67 02
CONTRACT NONR-222(83)
AD-642 822 12B T67 02 HC$ 3.00 MF$ 0.65
AD-642 823 12B T67 02 HC$ 3.00 MF$ 0.65
CONTRACT NONR-2249(14)
AD-642 791 17G T67 02 HC$ 3.00 MF$ 0.65
CONTRACT NONR-225(67)
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AD-643 164 20H T67 02
CONTRACT NONR-225(83)
AD-643 119 12A T67 02 HC$ 3.00 MF$ 0.65
CONTRACT NONR-233(87)
AD-643 403 7D T67 02 HC$ 3.00 MF$ 0.65
CONTRACT NONR-2332(00)
AD-643 217 17I T67 02 HC$ 3.00 MF$ 0.65
CONTRACT NONR-263(55)
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CONTRACT NONR-263(68)
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CONTRACT NONR-266(82)
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CONTRACT NONR-2913(00)
AD-643 173 9B T67 02 HC$ 3.00 MF$ 0.65
CONTRACT NONR-3089(00)

AD-643 388 8M T67 02

CONTRACT NONR-3104(00)
AD-643 383 6A T67 02

CONTRACT NONR-3395(00)
AD-643 018 7B T67 02 HC$ 3.00 MF$ 0.65

CONTRACT NONR-3479(00)
AD-643 423 1B T67 02

CONTRACT NONR-3579(04)
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AD-643 421 6P T67 02

CONTRACT NONR-3644(00)
AD-643 147 11F T67 02 HC$ 3.00 MF$ 0.65

CONTRACT NONR-3656(12)
AD-643 419 6E T67 02

CONTRACT NONR-3691(00)
AD-643 159 20D T67 02 HC$ 3.00 MF$ 0.65

CONTRACT NONR-375(14)
AD-643 216 4A T67 02

CONTRACT NONR-3806(03)
AD-643 353 6M T67 02

CONTRACT NONR-3819(00)(X)
AD-643 000 4B T67 02 HC$ 3.00 MF$ 0.65

CONTRACT NONR-396(08)
AD-643 057 8C T67 02

CONTRACT NONR-3996(01)
AD-643 261 8C T67 02
AD-643 263 6C T67 02 HC$ 3.00 MF$ 0.65
AD-643 278 8M T67 02

CONTRACT NONR-4004(00)
AD-643 211 12A T67 02

CONTRACT NONR-4010(03)
AD-643 349 5J T67 02
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CONTRACT NONR-4010(09)
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CONTRACT NONR-404(18)
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CONTRACT NONR-4309(00)
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CONTRACT NONR-4423(00)
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CONTRACT NONR-4508(00)
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CONTRACT NONR-4656(00)
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CONTRACT NONR-4723(00)
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CONTRACT NONR-4752(00)
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CONTRACT NONR-4802(00)
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CONTRACT NONR-4935(00)
AD-643 271 6A T67 02 HC$ 3.00 MF$ 0.65

CONTRACT NONR-495(26)
AD-643 205 7D T66 02

CONTRACT NONR-5024(00)
AD-643 362 6A T67 02

CONTRACT NONR-551(54)
AD-642 826 6P T67 02

CONTRACT NONR-562(20)
AD-643 181 20K T67 02 HC$ 3.00 MF$ 0.65

CONTRACT NONR-609(13)
AD-642 783 11L T67 02

CONTRACT NONR-624(14)
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CONTRACT NONR-656(27)
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AD-643 207 11B T67 02

CONTRACT NONR-668(22)
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CONTRACT NONR-710(47)
AD-642 828 13J T67 02 HC$ 3.00 MF$ 0.65

CONTRACT NONR-710(64)
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CONTRACT NONR-908(15)
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CONTRACT NO4-65-0123
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CONTRACT NO4-66-0105
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CONTRACT N-61339-66-C-0064
AD-642 849 9A T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N-62558-4556
AD-643 224 6C T67 02

CONTRACT N00014-66-C00010-A05
AD-643 088 20H T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N00014-66-C0010-A04
AD-643 333 7D T67 02

CONTRACT N00014-66-C0020-A03
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CONTRACT N00014-66-C0095
AD-642 938 1B T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N00014-67-A-0109-0003
AD-643 087 13M T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N123(62861)35058A
PB-173 676 17I U67 02 HC$ 3.00 MF$ 0.65

CONTRACT N123(62861)35059A
PB-173 679 14B U67 02 HC$ 3.00 MF$ 0.65

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PB-173 683 9A U67 02 HC$ 3.00 MF$ 0.65

CONTRACT N123(953)54069A
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CONTRACT N178-8730
AD-642 853 19A T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N228(62479)68579
AD-642 866 14B T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N228(62479)68865
AD-642 790 13L T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N228(62479)69222
AD-643 170 15F T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N6-ORI-151(01)
AD-642 798 8S T67 02 HC$ 3.00 MF$ 0.65
AD-642 801 8S T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N60921-7094
AD-450 340 11D U67 02 HC$ 3.00

CONTRACT N61339-66-C0064
AD-642 848 9A T67 02 HC$ 3.00 MF$ 0.65
AD-642 933 9A T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N62558-2214
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AD-643 226 9B T67 02

CONTRACT N62558-4297
AD-643 218 20J T67 02
AD-643 219 20J T67 02
AD-643 220 20H T67 02
AD-643 221 20M T67 02
AD-643 222 3B T67 02

CONTRACT N62558-4457
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CONTRACT N62558-4558
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CONTRACT N80NR-641(02)
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AD-643 205 13J T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N80N4-641(02)
AD-642 800 13J T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N8-ONR-641(03)
AD-643 172 13J T67 02 HC$ 3.00 MF$ 0.65

CONTRACT N9ONR-938(01)
AD-643 405 5J T67 02 HC$ 3.00 MF$ 0.65
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AD-643 413 5J T67 02 HC$ 3.00 MF$ 0.65
AD-643 414 5J T67 02 HC$ 3.00 MF$ 0.65

CONTRACT OCD-PS-64-74
AD-643 185 13L T67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-62-127
PB-173 606 6M U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-62-129
PB-173 607 6M U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-62-841
PB-173 610 6M U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-63-1174
PB-173 605 6M U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-63-562
PB-173 618 6M U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-63-563
PB-173 617 6E U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-63-90
PB-173 619 6H U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-64-1155
PB-173 609 6M U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-64-50
PB-173 620 6B U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-64-529
PB-173 604 6M U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-65-986
PB-173 612 6E U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-65-993
PB-173 614 6E U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-65-994
PB-173 615 6E U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-66-460
PB-173 608 6M U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH 43-66-527
PB-173 616 6E U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH-109-66-50
AD-643 204 6E T67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH-43-65-632
PB-173 622 6E U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH-43-65-638
PB-173 624 6E U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH-43-65-992
PB-173 611 6E U67 02 HC$ 3.00 MF$ 0.65

CONTRACT PH-43-66-63
PB-173 623 6E U67 02 HC$ 3.00 MF$ 0.65

CONTRACT SD-50
AD-643 355 20I T67 02 HC$ 3.00 MF$ 0.65

CONTRACT SD-67
AD-642 789 11G T67 02 HC$ 3.00 MF$ 0.65

CONTRACT SNP-1
N67-10920 18I S05 01 HC$ 3.00 MF$ 0.65

CONTRACT W-31-109-ENG-38
ANL-6964 18M N20 23 HC$ 3.00 MF$ 0.65
ANL-7127 11F N20 23 HC$ 3.00 MF$ 0.65
ANL-7137 18I N20 23 HC$ 3.00 MF$ 0.65
ANL-7142 18J N20 23 HC$ 3.00 MF$ 0.65

CONTRACT W-31-109-38-1707
MURA-719 20G N20 23 HC$ 3.00 MF$ 0.65

CONTRACT W-7405-ENG-26

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ORNL-3887 — 20H N20 23 HC$ 3.00 MF$ 0.65
ORNL-3985 — 7D N20 23 HC$ 3.00 MF$ 0.65
ORNL-3993 — 11F N20 23 HC$ 3.00 MF$ 0.65
ORNL-3996 — 18I N20 23 HC$ 3.00 MF$ 0.65
ORNL-4008 — 9B N20 23 HC$ 3.00 MF$ 0.65

CONTRACT W-7405-ENG-36
LA-3543 — 20M N20 23 HC$ 3.00 MF$ 0.65
LA-3546 — 9B N20 23 HC$ 3.00 MF$ 0.65

CONTRACT W-7405-ENG-48
NAS-NS-3058 — 7E N20 23 HC$ 3.00 MF$ 0.65
UCRL-14625 — 6P N20 23 HC$ 3.00 MF$ 0.65
UCRL-14631 — 6A N20 23 HC$ 3.00 MF$ 0.65
UCRL-14707 — 18M N20 23 HC$ 3.00 MF$ 0.65

CONTRACT W-7410-ENG-49
UR-49-687 — 6R N20 23 HC$ 3.00 MF$ 0.65

CONTRACT 125-26-02-06-22
N67-10235 — 21C S05 01 HC$ 3.00 MF$ 0.65

CONTRACT 125-26-02-10-22
N67-10798 — 21C S05 01 HC$ 3.00 MF$ 0.65

CONTRACT 125-27-03-13-22
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CONTRACT 122-28-03-02-22
N67-10790 — 18I S05 01 HC$ 3.00 MF$ 0.65

CONTRACT 124-07-03-05-23
N67-10795 — 1A S05 01 HC$ 3.00 MF$ 0.65

CONTRACT 124-08-06-07-23
N67-10747 — 1A S05 01 HC$ 3.00 MF$ 0.65

CONTRACT 125-17-01-01-80
N67-10236 — 17G S05 01 HC$ 3.00 MF$ 0.65

CONTRACT 128-31-06-05-23
N67-10746 — 1A S05 01 HC$ 3.00 MF$ 0.65

CONTRACT 129-01-03-04-22
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CONTRACT 731-21-03-03-22
N67-10749 — 14B S05 01 HC$ 3.00 MF$ 0.65

CONTRACT 891-01-00-06-22
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N67-10783 — 21I S05 01 HC$ 3.00 MF$ 0.65

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AD-643 188 — 20D T67 02

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AD-642 960 — 20K T67 02

GRANT AF-AFOSR-1001-66
AD-643 034 — 6O T67 02
AD-643 419 — 6O T67 02

GRANT AF-AFOSR-1011-66
AD-643 422 — 20R T67 02

GRANT AF-AFOSR-1016-66
AD-643 109 — 20I T67 02

GRANT AF-AFOSR-1026-66
AD-643 112 — 5J T67 02

GRANT AF-AFOSR-1029-66
AD-643 023 — 12B T67 02

GRANT AF-AFOSR-1033-66
AD-643 134 — 7D T67 02

GRANT AF-AFOSR-1075-66
AD-643 111 — 20C T67 02

GRANT AF-AFOSR-1140-66
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AD-643 444 — 20H T67 02

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AD-643 049 — 20H T67 02

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GRANT DA-ARO(D)-31-124-G346
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GRANT DA-ARO(D)-31-124-G490
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TT-67-60175
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T-R-613
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T-R-630
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NAS-NS-3058 7E N20 23 HC$ 3.00 MF$ 0.65
UCRL-14625 6P N20 23 HC$ 3.00 MF$ 0.65
UCRL-14631 6A N20 23 HC$ 3.00 MF$ 0.65
UCRL-14707 18H N20 23 HC$ 3.00 MF$ 0.65
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N67-10873 3B S05 01 HC$ 3.00 MF$ 0.65
UCSD-SP-66-6
N67-10871 3B S05 01 HC$ 3.00 MF$ 0.65
UR-49-687 6R N20 23 HC$ 3.00 MF$ 0.65
USAAVLABS-TR-66-37
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AD-642 930 13A T67 02 HC$ 3.00 MF$ 0.65
USA-NLABS , ES-TR-67-41-ES, 23
AD-643 179 13L T67 02 HC$ 3.00 MF$ 0.65
USA-NLABS-TR-66-49-PR
AD-643 325 11J T67 02 HC$ 3.00 MF$ 0.65
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USCAE-102
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USCEE-177
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USNRDL-TRC-48
AD-642 866 14B T67 02 HC$ 3.00 MF$ 0.65
AD-642 866 14B T67 02 HC$ 3.00 MF$ 0.65
USNRDL-TRC-50
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USNRDL-TR-1080
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USNRDL-TR-1088
AD-642 794 18D T67 02 HC$ 3.00 MF$ 0.65
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USNRDL-TR-1091
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U-3813
AD-643 173 9B T67 02 HC$ 3.00 MF$ 0.65
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WADD-TR-475-PT-3
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WCAP-6072 18J N20 23 HC$ 3.00 MF$ 0.65
WHOI-REF-66-56
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WIS-TCI-192
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X-622-66-315
N67-18863 20F 809 01 HC$ 3.00 MF$ 0.65
66928-7-T
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AD-643 206 7D T66 02
1864-1
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2-55408/6R-6090
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3-65-3
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65-93
PB-173 633 20M U67 02 HC$ 3.00 MF$ 0.65
65-27
AD-643 176 6P T67 02
AD-643 176 6P T67 02
6569
AD-643 185 13L T67 02 HC$ 3.00 MF$ 0.65
AD-643 185 13L T67 02 HC$ 3.00 MF$ 0.65
66-886-ZT
AD-643 011 1C T67 02 HC$ 3.00 MF$ 0.65
AD-643 011 1C T67 02 HC$ 3.00 MF$ 0.65
7003-1
AD-643 430 4B T67 02 HC$ 3.00 MF$ 0.65
AD-643 430 4B T67 02 HC$ 3.00 MF$ 0.65
9032-1
AD-643 269 4B T67 02 HC$ 3.00 MF$ 0.65
AD-643 269 4B T67 02 HC$ 3.00 MF$ 0.65
9-66-13
AD-642 851 4A T67 02 HC$ 3.00 MF$ 0.65
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9836
AD-643 234 3B T67 02 HC$ 3.00 MF$ 0.65
AD-643 234 3B T67 02 HC$ 3.00 MF$ 0.65
9400-90
AD-643 019 13L T67 02 HC$ 3.00 MF$ 0.65

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